



Weatherford*

Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Devon Energy
333 W. Sheridan Ave
Oklahoma City, OK, 73102

Date: October 17, 2016

Attention: Garrett Glaze

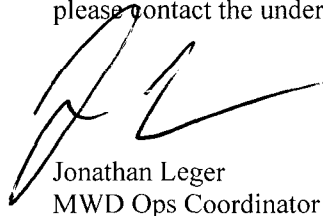
15-43923

Re: Devon Energy
Well: Cotton Draw Unit 278H
Eddy County, New Mexico

Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

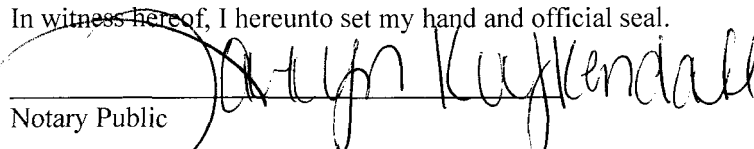
<u>Name & Title Of Surveyor</u>	<u>Well Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Andrew Schmidt MWD Supervisor	278H	210 MD 13118 MD	10/05/2016 10/15/2016	Measurement While Drilling

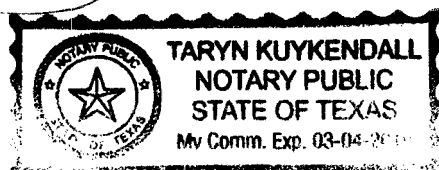
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.


Jonathan Leger
MWD Ops Coordinator

On this, the 14th day of December, 2016, before me a notary public, the undersigned officer, personally appeared Jonathan Leger, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.


Notary Public



NM OIL CONSERVATION
ARTESIA DISTRICT
MAR 29 2017
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5D Survey Report

Devon Energy

Field Name: *Eddy Co, NM (Nad 83 NME)*
Site Name: *Cotton Draw Unit 278H*
Well Name: *Cotton Draw Unit 278H*
Survey: *Definitive survey*

17 October 2016





Devon Energy
Cotton Draw Unit 278H
Eddy Co, NM

Plan Data for Cotton Draw Unit 278H

Plan Point Information:									
Dogleg Severity Unit: °/100.00ft Position offsets from Slot centre									
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS Comments
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
9684.00	92.10	358.65	8162.87	1736.91	-169.49	415854.04	729411.81	1738.19	2.06 Tie-on Svy
9798.37	92.00	359.79	8158.78	1851.19	-171.04	415968.32	729410.26	1852.47	1.00 Hold
9998.37	92.00	359.79	8151.80	2051.06	-171.78	416168.19	729409.52	2052.35	0.00 Drop
10153.22	90.45	359.80	8148.48	2205.88	-172.34	416323.01	729408.96	2207.16	1.00 Hold
13133.69	90.45	359.80	8125.00	5186.24	-182.99	419303.37	729398.31	5187.52	0.00 PBHL 278H

Plan Data for Cotton Draw Unit 278H

Field: Eddy Co, NM (Nad 83 NME)
Map Unit: USFt
Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (FtUS)

Site: Cotton Draw Unit 278H
Unit: USFeet
Company Name: Devon Energy
Position: Northing: 414117.13USFt Latitude: 32.137026°
Easting: 729581.30USFt Longitude: -103.725171°
North Reference: Grid Grid Convergence: 0.32°
Elevation Above VRD: 3412.00USFt

Slot: Cotton Draw Unit 278H
Position:
Offset is from Site centre
+N/-S: 0.00USFt Northing: 414117.13USFt Latitude: 32.137026°
+E/-W: 0.00USFt Easting: 729581.30USFt Longitude: -103.725171°
Elevation Above VRD: 3412.00USFt

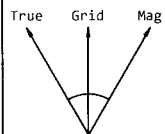
Well: Cotton Draw Unit 278H
Type: Main-Well
File Number:
Plan Folder: P5
Vertical Section: Position offset of origin from Slot centre:
+N/-S: -0.00USFt
+E/-W: -0.00USFt
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
bggm2016 48032(nT) 7.15° 59.97° 2016-10-15

Plan Data for Cotton Draw Unit 278H

Casing Point Information:									
Position offsets from Slot centre									
Name	MD	TVD	+N/-S	+E/-W	Northing	Easting	(USft)	(USft)	(USft)
13 3/8 in	744.01	744.00	-2.71	1.05	414114.42	729582.35	(USft)	(USft)	(USft)
9 5/8 in	4302.37	4302.00	-23.87	-5.69	414093.26	729575.61	(USft)	(USft)	(USft)

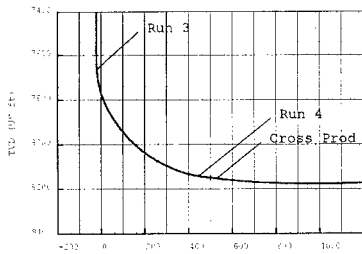
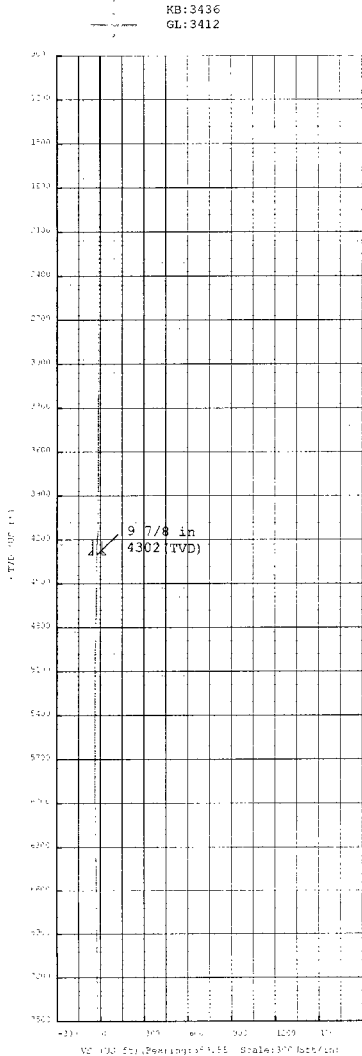
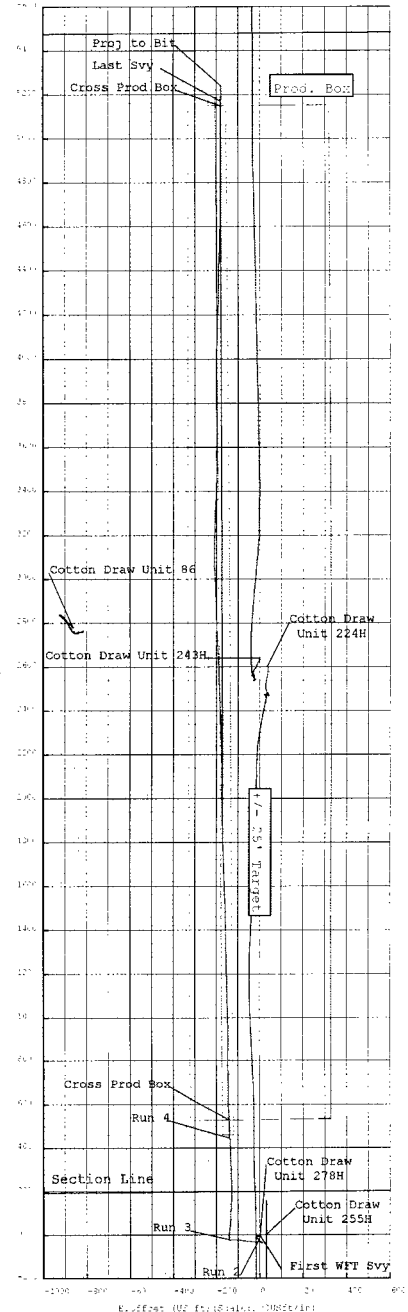
Plan Data for Cotton Draw Unit 278H

Target Set Information:
Name: Cotton Draw Unit 278H
Position offsets from Slot centre
Name TVD Elevation +N/-S +E/-W Northing Easting
(USft) (USft) (USft) (USft) (USft) (USft)
PBHL 278H 8125.00 -4689.00 5186.24 -182.99 419303.37 729398.31



Grid Convergence: 0.32°
Mag Declination: 7.15°
Bearing:
True = Mag + 7.15°
Grid = True - 0.32°
Total Correction: 6.83°

- Cotton Draw Unit 278H
- Cotton Draw Unit 243H
- Cotton Draw Unit 224H
- Cotton Draw Unit 86
- Cotton Draw Unit 255H
- Cotton Draw Unit 278H



Scale: 1" = 100' (Horizontal)



MAR 29 2017

50 Survey Report

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Cotton Draw Unit 278H

Field Name: Eddy Co, NM (Nad 83 NME)	Map Units: US ft		Company Name: Devon Energy	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Cotton Draw Unit 278H	Units: US ft	North Reference: Grid	Convergence Angle: 0.32	
	Position:	Northing: 414117.13 US ft	Latitude: 32° 8' 13.29"	
		Easting: 729581.30 US ft	Longitude: -103° 43' 30.61"	
	Elevation above MSL: 3412.00 US ft		Comment:	
Slot: Cotton Draw Unit 278H	Position (Relative to Site Centre)			
	+N/-S: 0.00 US ft	Northing: 414117.13 US ft	Latitude: 32° 8' 13.29"	
	+E/-W: 0.00 US ft	Easting: 729581.30 US ft	Longitude: -103° 43' 30.61"	
	Elevation above MSL: 3412.00 US ft		Comment:	
Well: Cotton Draw Unit 278H	Type: Main well		UWI:	
	File Number:	Comment:		
	Closure Distance: 5242.98 US ft		Closure Azimuth: 358.02°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
		+N/-S: -0.00 US ft	+E/-W: -0.00 US ft	Az: 359.55°

Drill floor: Survey Name: Definitive Survey			
Rig Height (Drill Floor): 24.00 US ft	Elevation above MSL: 3436.00 US ft	Inclination: 0.00°	Azimuth: 0.00°

Survey Name: Definitive Survey				
Date: 29/May/2015	Survey Tool: See Survey Tool Ranges below.	Comment:	Company:	
Magnetic Model:				
Model Name: bggm2016	Date: 15/Oct/2016	Field Strength: 48032.8 nT	Declination: 7.15°	Dip: 59.97°
Tie Point:				
MD: 0.00 US ft	Inclination: 0.00°	Azimuth: 0.00°	TVD: -0.00 US ft	North Offset: 0.00 US ft East Offset: -0.00 US ft

Survey Tool Ranges:			
Name	Start MD(USFt)	End MD(USFt)	Source Survey
MWD	0.00	4236.00	WFT MWD Svy 1
MWD	4236.00	7585.00	WFT MWD Svy 2
MWD	7585.00	8332.00	WFT MWD Svy 3
MWD	8332.00	13189.00	WFT MWD Svy 4

ID Survey Report

Wellpath created using minimum curvature.

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
0.00	0.00	0.00	-0.00	0.00	-0.00	0.00	0.00	414117.13	729581.30	First WFT Svy
24.00	0.00	0.00	24.00	0.00	-0.00	0.00	0.00	414117.13	729581.30	
210.00	0.36	139.10	210.00	-0.44	0.38	-0.44	0.19	414116.69	729581.68	
302.00	0.16	155.09	302.00	-0.78	0.63	-0.78	0.23	414116.35	729581.93	
393.00	0.36	185.00	393.00	-1.18	0.65	-1.18	0.26	414115.95	729581.95	
479.00	0.25	165.08	479.00	-1.63	0.68	-1.63	0.18	414115.50	729581.98	
573.00	0.25	160.08	572.99	-2.02	0.80	-2.02	0.02	414115.11	729582.10	
665.00	0.21	157.27	664.99	-2.36	0.94	-2.37	0.05	414114.77	729582.24	
675.00	0.29	161.59	674.99	-2.40	0.95	-2.41	0.82	414114.73	729582.25	
884.00	0.16	168.89	883.99	-3.19	1.17	-3.20	0.06	414113.94	729582.47	
975.00	0.65	250.12	974.99	-3.49	0.71	-3.50	0.71	414113.64	729582.01	
1066.00	1.14	255.72	1065.98	-3.89	-0.65	-3.89	0.55	414113.24	729580.65	
1158.00	1.16	249.25	1157.96	-4.45	-2.41	-4.43	0.14	414112.68	729578.89	
1249.00	0.98	255.68	1248.94	-4.96	-4.02	-4.93	0.24	414112.17	729577.28	
1341.00	0.79	259.03	1340.93	-5.28	-5.41	-5.24	0.21	414111.85	729575.89	
1435.00	0.66	246.24	1434.93	-5.62	-6.54	-5.57	0.22	414111.51	729574.76	
1530.00	0.37	143.14	1529.92	-6.09	-6.86	-6.03	0.87	414111.04	729574.44	
1625.00	0.31	226.20	1624.92	-6.51	-6.86	-6.46	0.48	414110.62	729574.44	
1719.00	0.16	260.15	1718.92	-6.71	-7.17	-6.65	0.21	414110.42	729574.13	
1814.00	0.16	289.30	1813.92	-6.69	-7.43	-6.63	0.08	414110.44	729573.87	
1909.00	0.63	275.94	1908.92	-6.59	-8.07	-6.53	0.50	414110.54	729573.23	
2004.00	1.00	265.29	2003.91	-6.60	-9.42	-6.53	0.42	414110.53	729571.88	
2098.00	0.75	267.94	2097.90	-6.69	-10.85	-6.61	0.27	414110.44	729570.45	
2193.00	0.58	269.92	2192.89	-6.72	-11.95	-6.62	0.18	414110.41	729569.35	
2288.00	0.94	240.82	2287.88	-7.10	-13.11	-6.99	0.54	414110.03	729568.19	
2382.00	1.09	236.75	2381.87	-7.96	-14.53	-7.85	0.18	414109.17	729566.77	
2477.00	0.62	237.85	2476.86	-8.73	-15.72	-8.61	0.50	414108.40	729565.58	
2571.00	0.47	230.99	2570.85	-9.25	-16.45	-9.12	0.17	414107.88	729564.85	
2666.00	0.51	220.69	2665.85	-9.81	-17.03	-9.68	0.10	414107.32	729564.27	
2761.00	0.50	211.46	2760.85	-10.49	-17.52	-10.35	0.09	414106.64	729563.78	
2856.00	0.28	187.09	2855.84	-11.07	-17.77	-10.93	0.29	414106.06	729563.53	
2950.00	0.22	186.73	2949.84	-11.48	-17.82	-11.34	0.06	414105.65	729563.48	
3045.00	0.92	239.37	3044.84	-12.05	-18.50	-11.90	0.85	414105.08	729562.80	
3140.00	0.16	160.40	3139.83	-12.56	-19.11	-12.41	0.95	414104.57	729562.19	
3234.00	0.25	148.54	3233.83	-12.86	-18.96	-12.71	0.11	414104.27	729562.34	
3329.00	0.35	119.19	3328.83	-13.18	-18.60	-13.03	0.19	414103.95	729562.70	
3424.00	0.35	116.34	3423.83	-13.45	-18.08	-13.30	0.02	414103.68	729563.22	
3519.00	0.45	116.28	3518.83	-13.74	-17.49	-13.60	0.11	414103.39	729563.81	
3613.00	0.47	117.71	3612.82	-14.08	-16.82	-13.95	0.02	414103.05	729564.48	
3707.00	0.58	107.30	3706.82	-14.40	-16.02	-14.28	0.15	414102.73	729565.28	
3802.00	0.94	119.62	3801.81	-14.93	-14.88	-14.82	0.41	414102.20	729566.42	
3897.00	0.91	123.36	3896.80	-15.73	-13.58	-15.63	0.07	414101.40	729567.72	
3991.00	1.27	130.14	3990.78	-16.81	-12.16	-16.72	0.41	414100.32	729569.14	
4086.00	1.79	136.95	4085.75	-18.58	-10.34	-18.50	0.58	414098.55	729570.96	
4181.00	2.02	137.23	4180.70	-20.89	-8.19	-20.83	0.24	414096.24	729573.11	
4236.00	1.82	140.48	4235.67	-22.28	-6.98	-22.22	0.41	414094.85	729574.32	
4366.00	1.62	143.06	4365.61	-25.34	-4.56	-25.30	0.16	414091.79	729576.74	
4461.00	1.43	134.04	4460.57	-27.23	-2.90	-27.21	0.32	414089.90	729578.40	Run 2
4555.00	1.44	135.81	4554.54	-28.90	-1.23	-28.89	0.05	414088.23	729580.07	
4650.00	1.44	135.18	4649.51	-30.60	0.44	-30.60	0.02	414086.53	729581.74	
4745.00	1.46	132.35	4744.48	-32.26	2.18	-32.28	0.08	414084.87	729583.48	
4840.00	0.92	124.18	4839.46	-33.51	3.70	-33.53	0.59	414083.62	729585.00	
4934.00	0.98	126.34	4933.45	-34.41	4.97	-34.44	0.07	414082.72	729586.27	
5029.00	1.04	125.38	5028.43	-35.39	6.33	-35.44	0.07	414081.74	729587.63	
5124.00	1.07	122.40	5123.42	-36.36	7.78	-36.42	0.07	414080.77	729589.08	
5219.00	0.14	95.18	5218.41	-36.85	8.65	-36.91	1.00	414080.28	729589.95	

SD Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	
5314.00	0.14	335.31	5313.41	-36.75	8.72	-36.82	0.26	414080.38	729590.02	
5408.00	0.25	48.35	5407.41	-36.51	8.82	-36.58	0.26	414080.62	729590.12	
5503.00	0.64	297.12	5502.41	-36.13	8.50	-36.20	0.81	414081.00	729589.80	
5598.00	0.95	290.78	5597.40	-35.61	7.30	-35.67	0.34	414081.52	729588.60	
5692.00	1.66	287.76	5691.38	-34.92	5.27	-34.96	0.76	414082.21	729586.57	
5787.00	2.51	270.21	5786.31	-34.49	1.88	-34.50	1.11	414082.64	729583.18	
5882.00	2.57	270.56	5881.22	-34.46	-2.33	-34.44	0.07	414082.67	729578.97	
5976.00	3.36	269.54	5975.09	-34.46	-7.19	-34.41	0.84	414082.67	729574.11	
6071.00	4.13	272.56	6069.89	-34.33	-13.39	-34.23	0.84	414082.80	729567.91	
6165.00	4.99	274.61	6163.59	-33.85	-20.85	-33.69	0.93	414083.28	729560.45	
6260.00	5.54	275.49	6258.19	-33.08	-29.53	-32.85	0.59	414084.05	729551.77	
6355.00	5.81	277.37	6352.72	-32.03	-38.87	-31.72	0.35	414085.10	729542.43	
6449.00	5.90	277.30	6446.23	-30.80	-48.38	-30.42	0.10	414086.33	729532.92	
6544.00	5.90	276.91	6540.73	-29.60	-58.07	-29.14	0.04	414087.53	729523.23	
6638.00	5.81	277.45	6634.24	-28.40	-67.58	-27.87	0.11	414088.73	729513.72	
6733.00	5.68	278.12	6728.76	-27.11	-77.00	-26.50	0.15	414090.02	729504.30	
6828.00	5.12	279.97	6823.34	-25.71	-85.83	-25.04	0.62	414091.42	729495.47	
6922.00	4.28	277.28	6917.02	-24.54	-93.44	-23.81	0.92	414092.59	729487.86	
7017.00	4.70	274.17	7011.73	-23.81	-100.84	-23.02	0.51	414093.32	729480.46	
7112.00	4.49	268.84	7106.43	-23.60	-108.44	-22.75	0.50	414093.53	729472.86	
7207.00	4.15	268.97	7201.16	-23.74	-115.60	-22.83	0.36	414093.39	729465.70	
7301.00	3.72	269.73	7294.94	-23.81	-122.05	-22.85	0.46	414093.32	729459.25	
7396.00	3.68	269.72	7389.74	-23.84	-128.18	-22.84	0.04	414093.29	729453.12	
7490.00	3.14	268.63	7483.57	-23.92	-133.77	-22.87	0.58	414093.21	729447.53	
7585.00	2.97	267.28	7578.44	-24.10	-138.83	-23.01	0.19	414093.03	729442.47	
7670.00	3.95	333.27	7663.31	-21.59	-142.34	-20.47	4.54	414095.54	729438.96	Run 3
7717.00	10.30	356.74	7709.93	-15.94	-143.31	-14.81	14.59	414101.19	729437.99	
7764.00	15.38	1.64	7755.74	-5.51	-143.37	-4.38	11.04	414111.62	729437.93	
7811.00	21.73	7.83	7800.28	9.36	-142.01	10.47	14.13	414126.49	729439.29	
7858.00	28.13	7.68	7842.88	28.98	-139.34	30.07	13.62	414146.11	729441.96	
7905.00	33.27	5.75	7883.28	52.80	-136.56	53.87	11.13	414169.93	729444.74	
7953.00	37.52	2.01	7922.40	80.53	-134.73	81.58	9.93	414197.66	729446.57	
8000.00	41.51	3.23	7958.66	110.39	-133.35	111.44	8.65	414227.52	729447.95	
8048.00	46.51	2.58	7993.17	143.69	-131.67	144.72	10.46	414260.82	729449.63	
8095.00	51.40	0.91	8024.02	179.11	-130.61	180.13	10.74	414296.24	729450.69	
8142.00	56.34	359.58	8051.73	217.05	-130.46	218.07	10.76	414334.18	729450.84	
8189.00	61.27	358.12	8076.06	257.24	-131.28	258.26	10.82	414374.37	729450.02	
8237.00	64.71	357.93	8097.86	299.97	-132.76	301.00	7.18	414417.10	729448.54	
8284.00	69.12	357.36	8116.28	343.16	-134.54	344.20	9.45	414460.29	729446.76	
8332.00	73.76	357.28	8131.56	388.60	-136.66	389.66	9.67	414505.73	729444.64	
8389.00	81.50	356.50	8143.76	444.15	-139.69	445.23	13.64	414561.28	729441.61	Run 4
8452.00	83.98	357.66	8151.72	506.56	-142.87	507.66	4.34	414623.69	729438.43	
8473.67	83.88	357.81	8154.01	528.09	-143.72	529.20	0.83	414645.22	729437.58	Cross Prod Box
8499.00	83.76	357.99	8156.74	553.26	-144.64	554.37	0.85	414670.39	729436.66	
8546.00	84.13	358.82	8161.70	599.98	-145.95	601.10	1.92	414717.11	729435.35	
8593.00	85.24	359.52	8166.05	646.77	-146.62	647.90	2.79	414763.90	729434.68	
8641.00	86.64	359.40	8169.45	694.64	-147.07	695.78	2.93	414811.77	729434.23	
8688.00	87.34	359.35	8171.92	741.58	-147.59	742.71	1.49	414858.71	729433.71	
8736.00	87.62	359.70	8174.03	789.53	-147.98	790.67	0.93	414906.66	729433.32	
8783.00	88.18	0.26	8175.75	836.50	-148.00	837.63	1.68	414953.63	729433.30	
8831.00	89.37	0.22	8176.78	884.48	-147.80	885.62	2.48	415001.61	729433.50	
8878.00	88.95	0.10	8177.46	931.48	-147.67	932.61	0.93	415048.61	729433.63	
8925.00	89.86	359.29	8177.95	978.47	-147.92	979.61	2.59	415095.60	729433.38	
9020.00	91.19	358.12	8177.08	1073.44	-150.06	1074.59	1.86	415190.57	729431.24	
9115.00	92.03	358.12	8174.41	1168.35	-153.18	1169.52	0.88	415285.48	729428.12	
9210.00	92.80	358.56	8170.41	1263.23	-155.93	1264.41	0.93	415380.36	729425.37	
9305.00	91.40	359.22	8166.93	1358.14	-157.77	1359.34	1.63	415475.27	729423.53	
9400.00	90.63	358.48	8165.25	1453.11	-159.67	1454.32	1.12	415570.24	729421.63	

5D Survey Report

Survey Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100US ft)	Northing (US ft)	Easting (US ft)	Comment
9495.00	89.72	357.85	8164.96	1548.06	-162.72	1549.29	1.17	415665.19	729418.58	
9589.00	90.42	357.64	8164.84	1641.98	-166.42	1643.24	0.78	415759.11	729414.88	
9684.00	92.10	358.65	8162.75	1736.91	-169.49	1738.18	2.06	415854.04	729411.81	
9779.00	92.38	358.72	8159.04	1831.81	-171.67	1833.10	0.30	415948.94	729409.63	
9873.00	92.94	358.69	8154.68	1925.68	-173.79	1926.99	0.60	416042.81	729407.51	
9968.00	93.08	359.60	8149.69	2020.54	-175.21	2021.85	0.97	416137.67	729406.09	
10062.00	90.91	359.58	8146.42	2114.47	-175.88	2115.79	2.31	416231.60	729405.42	
10157.00	90.63	358.70	8145.14	2209.45	-177.30	2210.78	0.97	416326.58	729404.00	
10252.00	89.79	357.80	8144.79	2304.41	-180.21	2305.75	1.30	416421.54	729401.09	
10346.00	91.05	357.74	8144.10	2398.33	-183.86	2399.70	1.34	416515.46	729397.44	
10440.00	90.63	357.69	8142.72	2492.25	-187.61	2493.64	0.45	416609.38	729393.69	
10536.00	90.35	357.64	8141.90	2588.16	-191.52	2589.59	0.30	416705.29	729389.78	
10631.00	89.58	357.55	8141.96	2683.08	-195.51	2684.53	0.82	416800.21	729385.79	
10726.00	89.44	357.77	8142.77	2778.00	-199.39	2779.48	0.27	416895.13	729381.91	
10820.00	90.77	358.84	8142.60	2871.95	-202.17	2873.45	1.82	416989.08	729379.13	
10915.00	89.44	356.68	8142.43	2966.87	-205.88	2968.40	2.67	417084.00	729375.42	
11009.00	90.14	357.71	8142.77	3060.76	-210.48	3062.31	1.32	417177.89	729370.82	
11103.00	91.40	0.62	8141.51	3154.73	-211.85	3156.29	3.37	417271.86	729369.45	
11198.00	93.01	2.62	8137.85	3249.61	-209.17	3251.15	2.70	417366.74	729372.13	
11293.00	91.61	2.30	8134.02	3344.44	-205.09	3345.95	1.51	417461.57	729376.21	
11387.00	92.45	2.32	8130.69	3438.31	-201.31	3439.78	0.89	417555.44	729379.99	
11482.00	91.40	1.66	8127.50	3533.19	-198.01	3534.64	1.31	417650.32	729383.29	
11577.00	89.51	358.23	8126.75	3628.17	-198.10	3629.62	4.12	417745.30	729383.20	
11671.00	91.54	359.79	8125.89	3722.15	-199.73	3723.60	2.72	417839.28	729381.57	
11766.00	90.00	359.51	8124.61	3817.13	-200.31	3818.59	1.65	417934.26	729380.99	
11861.00	90.42	0.10	8124.26	3912.13	-200.63	3913.59	0.76	418029.26	729380.67	
11956.00	88.88	0.06	8124.84	4007.13	-200.50	4008.58	1.62	418124.26	729380.80	
12050.00	91.05	1.47	8124.90	4101.11	-199.24	4102.55	2.75	418218.24	729382.06	
12145.00	90.56	1.71	8123.56	4196.06	-196.61	4197.48	0.57	418313.19	729384.69	
12239.00	91.05	2.23	8122.24	4290.00	-193.37	4291.38	0.76	418407.13	729387.93	
12334.00	88.81	1.18	8122.36	4384.95	-190.55	4386.31	2.60	418502.08	729390.75	
12429.00	90.98	1.09	8122.53	4479.92	-188.67	4481.27	2.29	418597.05	729392.63	
12524.00	90.70	1.73	8121.14	4574.88	-186.33	4576.21	0.74	418692.01	729394.97	
12618.00	89.93	0.55	8120.62	4668.86	-184.46	4670.17	1.50	418785.99	729396.84	
12712.00	89.72	0.12	8120.91	4762.86	-183.91	4764.16	0.51	418879.99	729397.39	
12808.00	90.14	0.41	8121.03	4858.86	-183.47	4860.15	0.53	418975.99	729397.83	
12903.00	89.65	359.91	8121.20	4953.86	-183.20	4955.14	0.74	419070.99	729398.10	
12995.00	90.14	0.08	8121.37	5045.86	-183.21	5047.14	0.56	419162.99	729398.09	
13090.00	90.00	0.57	8121.26	5140.85	-182.67	5142.13	0.54	419257.98	729398.63	
13096.82	90.00	0.65	8121.26	5147.67	-182.60	5148.95	1.17	419264.80	729398.70	Cross Prod Box
13118.00	90.00	0.87	8121.26	5168.85	-182.32	5170.12	1.04	419285.98	729398.98	Last Svy
13189.00	90.00	0.87	8121.26	5239.84	-181.24	5241.11	0.00	419356.97	729400.06	Proj to Bit